



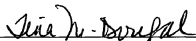
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: SEGAL et al.
Serial No.: 09/915,093 Examiner: Fourson III., G. R.
Filed: July 25, 2001 Group Art Unit: 2823
For: ELECTROMECHANICAL MEMORY ARRAY USING NANOTUBE
RIBBONS AND METHOD FOR MAKING SAME
Atty. Docket No.: 112020.125/NAN-1

CERTIFICATE OF MAILING UNDER 37 CFR 1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on August 1, 2003.


Tina M. Dugal

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants and their legal representatives hereby make of record on the attached Form PTO-1449 the following publications which are known to them and considered warranting disclosure under 37 C.F.R. §1.56 and 1.97-98.

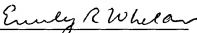
Copies of the publications listed on the attached Form PTO-1449 are submitted herewith. It is respectfully requested that the Examiner initial and return a copy of the subject Form PTO-1449 with the next Patent Office communication.

The submission of these publications does not constitute a representation by the Applicants that a search has been made or that no better art exists and does not constitute an admission that the listed publications are material or constitute "prior art." Applicants reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed publications, should one or more of the publications be applied against the claims of the present application.

It is Applicants' belief that the Supplemental Information Disclosure Statement is being filed prior to the mailing date of the first Office Action on the merits and therefore no fee is due. However, in the event a fee is due, please charge any fee deficiency or credit any overpayment to Deposit Account No. 08-0219.

Respectfully submitted,

Dated: August 1, 2003



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INFORMATION DISCLOSURE IN AN APPLICATION

(Use several sheets if necessary)

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U.S. Patent Documents

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2001/0004979	06/28/01	Han et al.	216	4	
	2002/0125805	09/12/2002	Hsu	313	309	
	2002/0130353	09/19/02	Lieber et al.	257	315	
	2002/0160111	10/31/02	Sun et al.	427	248.1	
	2002/0172639	11/21/02	Horiuchi	423	477.2	
	2002/0173083	11/21/02	Avouris et al.	438	129	
	2002/0175323	11/28/02	Guillom et al.	257	10	
	2002/0175390	11/28/02	Goldstein et al.	257	481	
	2002/0179434	12/5/02	Dai et al.	204	242	
	6,187,823	02/13/01	Haddon et al.	516	32	

Foreign Patent Documents

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 01/44796	6/21/01	PCT				
	WO 00/63115	10/26/2000	PCT				
	WO 01/03208	1/11/01	PCT				
	EP 1,096,533	95/02/01	Europe				

Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

A1	Kong, J., et al., "Chemical Vapor Deposition of Methane for Single-Walled Carbon Nanotubes." <i>Chemical Physics Letters</i> , 292, 567, 1998.
A2	Li, Y., et al., "Growth of Single-Walled Carbon Nanotubes from Discrete Catalytic Nanoparticles of Various Sizes." <i>The Journal of Physical Chemistry B</i> (2001); 105, 11424.
A3	Colomer, J.-F., et al., "Characterization of Single-Walled Carbon Nanotubes Produced by CCVD Method." <i>Chemical Physics Letters</i> (2001); 345, 11-17.
A4	Li, Y. et al., "Preparation of Monodispersed Fe-Mo Nanoparticles as the Catalyst for CVD Synthesis of Carbon Nanotubes." <i>Chem. Mater.</i> , 12, 1008, 2001.
A5	Cassell, A., et al., "Directed Growth of Free-Standing Single-Walled Carbon Nanotubes." <i>Journal of the American Chemical Society</i> (1999); Vol. 121, 7975-7976.

EXAMINER

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	6,198,655	03/6/01	Heath et al.	365	151	
	6,232,706	05/15/01	Dai et al.	313	309	
	6,250,984	06/26/01	Jin et al.	445	51	
	6,322,713	11/27/01	Choi et al.	216	38	
	6,350,488	02/26/02	Lee et al.	427	249.1	
	6,407,443	06/18/02	Chen et al.	257	616	
	6,413,487	07/02/02	Resasco et al.	423	447.3	
	6,432,740	08/13/02	Chen	438	99	
	6,495,116	12/17/02	Herman	423	447.3	
	6,515,339	02/04/03	Shin et al.	257	368	
	6,518,156	02/11/03	Chen et al.	438	597	
	6,566,983	05/20/03	Shin	333	193	
	6,574,130	06/03/03	Segal et al.	365	129	

Foreign Patent Documents

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

A6	Delzeit, L., et al., "Multilayered Metal Catalysts for Controlling the Density of Single-walled Carbon Nanotube Growth." <i>Chemical Physics Letters</i> , 348, 368, 2001.
A7	Wei, Y., et al., "Effect of Catalyst Film Thickness on Carbon Nanotube Growth by Selective Area Chemical Vapor Deposition." <i>Applied Physics Letters</i> (2001); Vol. 78, pgs. 1394-1396.
A8	Su, M., et al., "A Scalable CVD Method for the Synthesis of Single-Walled Carbon Nanotubes with High Catalyst Productivity." <i>Chemical Physics Letters</i> (2000); Vol. 322, 231-326.
A9	Harutyunyan, A., et al., "CVD Synthesis of Single Wall Carbon Nanotubes under 'Soft' Conditions." <i>Nano Letters</i> Vol. 2c no 5 525 (2002); Published on web 3/27/02
A10	Li, Q., et al., "High-Density Growth of Single-Wall Carbon Nanotubes on Silicon by Fabrication of Nanosized Catalyst Thin Films." <i>Chem. Mater.</i> (2002), 14, 4262; Published on web 9/11/02
A11	Javey, A., et al., "Carbon Nanotube Transistor Arrays for Multistage Complementary Logic and Ring Oscillators." <i>Nano Letters</i> (2002); Vol. 2 No. 9 929-932. Published on web 7/31/02
A12	Chen, B., et al., "Heterogeneous Single-Walled Carbon Nanotube Catalyst Discovery and Optimization." <i>Chem. Mater.</i> (2002); Vol. 14 1891-1896.

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A13	Yenilmez, E., et al., "Water Scale Production of carbon Nanotube Scanning Probe Tips for Atomic Force Microscopy." <i>Applied Physics Letters</i> . (2002); Vol. 80 No. 12, 2225-2227.	
A14	Collins, P., et al., "Engineering Carbon Nanotubes and Nanotube Circuits Using Electrical Breakdown." <i>Science</i> (2001); 292: 706-709.	
A15	Kim, W., et al., "Synthesis of Ultralong and High Percentage of Semiconduction Single-walled Carbon Nanotubes." <i>Nano Letters</i> (2002); Vol. 2 No. 7 703-708. Published on web 6/01/02	
A16	Liu, et al., "Organizing Single-Walled Carbon Nanotubes on Gold Using a Wet Chemical Self-Assembling Technique, <i>Langmuir</i> ," April 18, 2000, Vol. 16, No. 8, 3659-3573	
A17	Zheng et al., "Chemical Vapor Deposition Growth of Well-Aligned Carbon Nanotube Patterns on Cubic Mesoporous Silica Films by Soft Lithography", <i>Chemistry of Materials</i> , June 9, 2001, Vol. 13, 2240-2242	
A18	Huang, et al., "Patterned Growth of Well-Aligned Carbon Nanotubes: A Soft-Lithographic Approach", <i>The Journal of Physical Chemistry B</i> , March 16, 2000, Vol. 104, No. 10, 2193-2196	
A19	Chattopadhyay, et al., "Metal-Assisted Organization of Shortened Carbon Nanotubes in Monolayer and Multilayer Forest Assemblies", <i>Journal of the American Chemical Society</i> , August 28, 2001, Vol. 123, 9451-9452	

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